

**Morning Check In**

The Center for  
Space Education



RoboPit  
Check-In

Space Shuttle Atlantis

IMAX Theater

Orbit Cafe - Kennedy  
Space Center

Silicone,  
Aluminum,  
Additive Printed  
Life Forms This  
Way

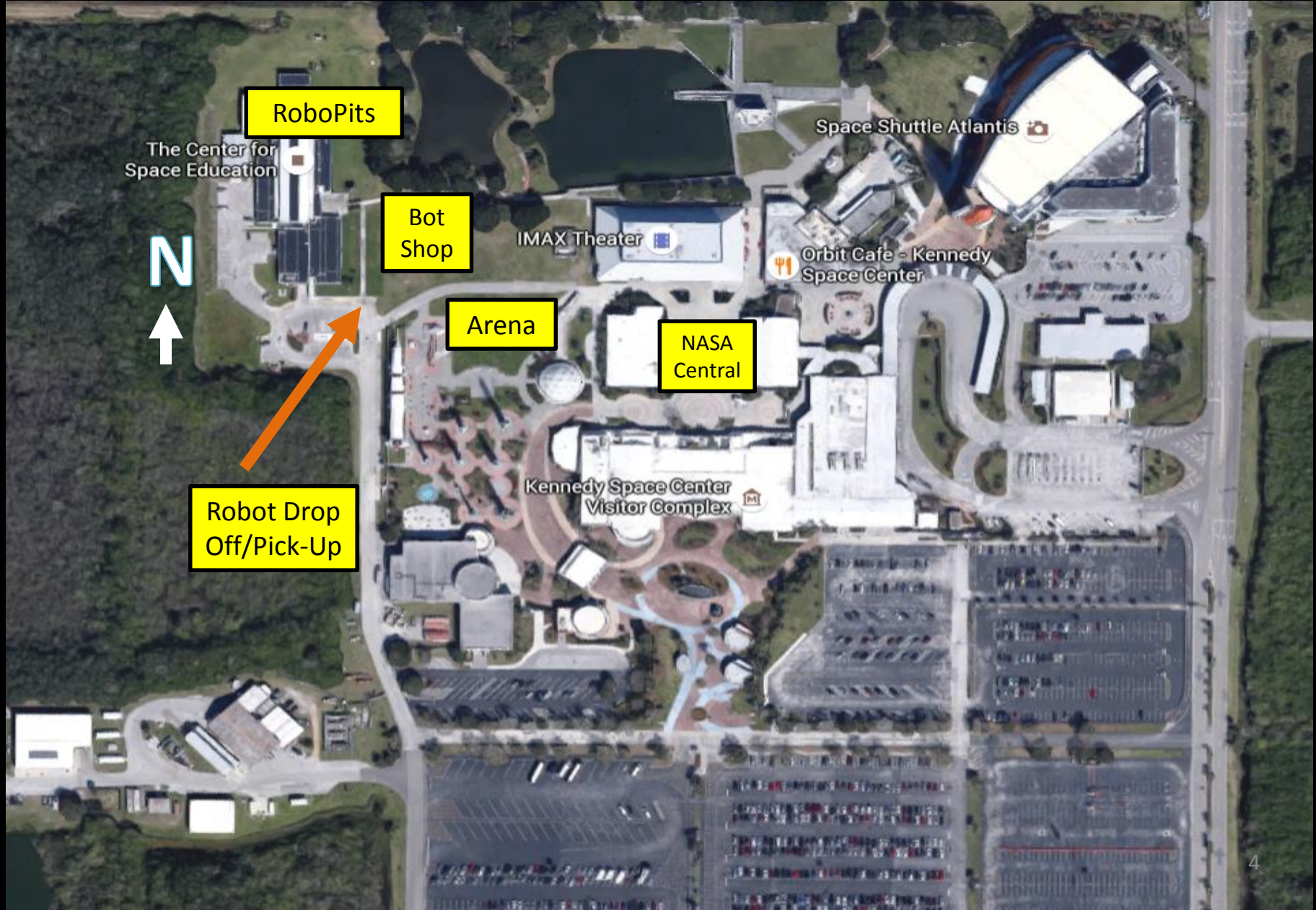
Kennedy Space Center  
Visitor Complex

Carbon-Based Life  
Forms This Way

Parking Lot 4 &  
Team Check-In

# Competition Layout





RoboPits

The Center for  
Space Education

N



Bot  
Shop

IMAX Theater

Space Shuttle Atlantis

Orbit Cafe - Kennedy  
Space Center

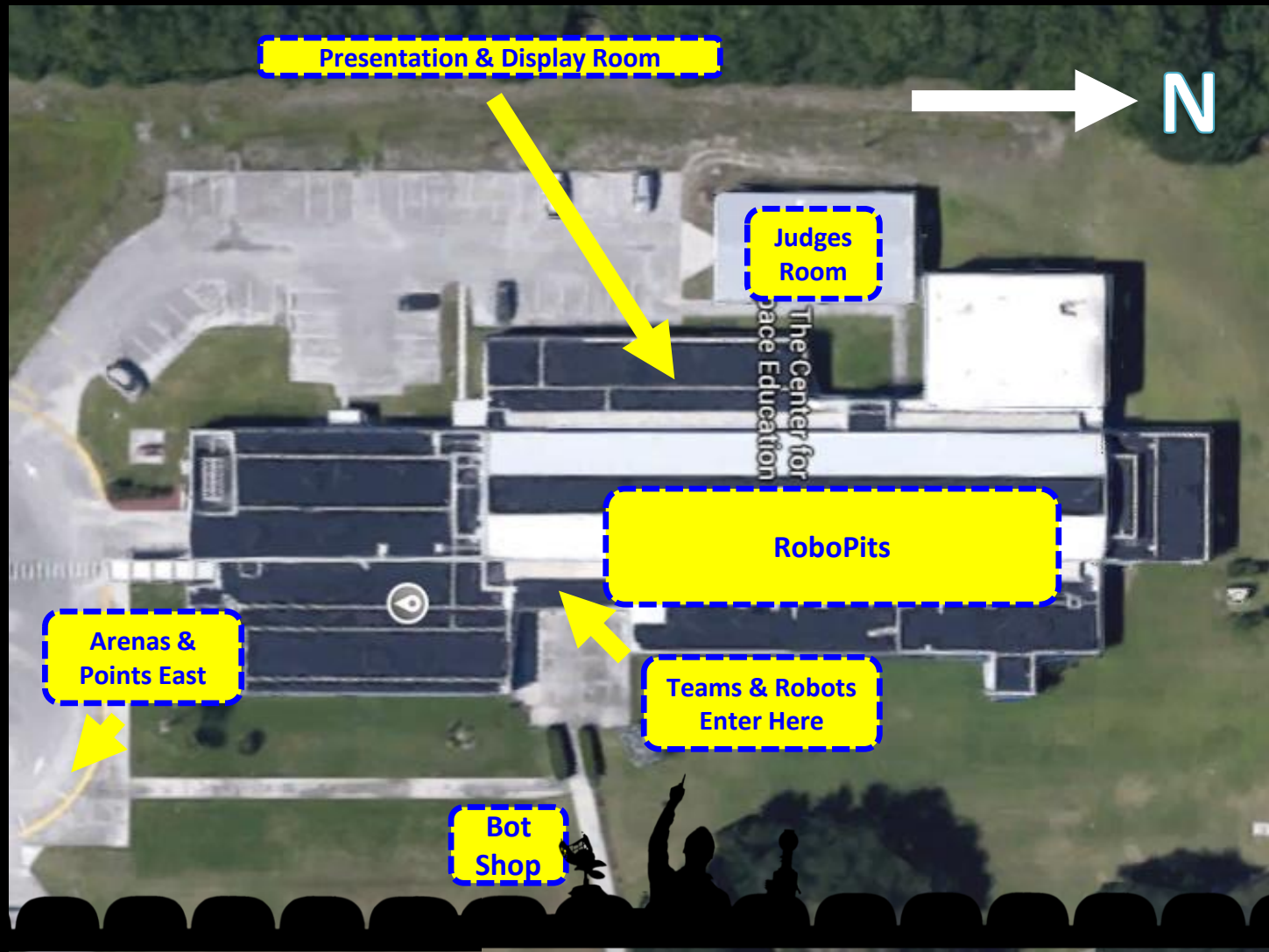
Arena

NASA  
Central

Robot Drop  
Off/Pick-Up

Kennedy Space Center  
Visitor Complex

**Center for Space Education**



# Mission Control



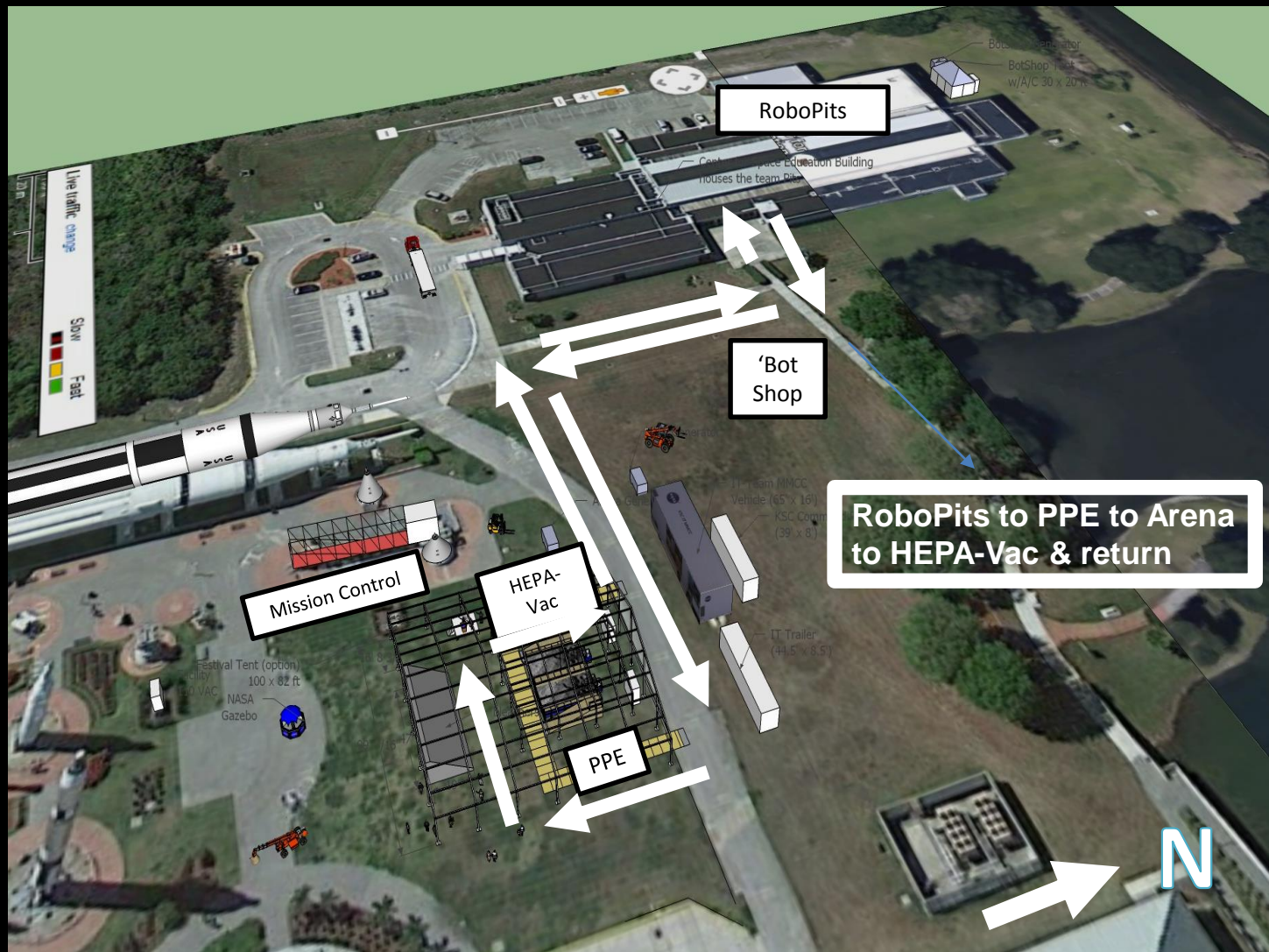




**Eyewash, Handwash & Water Dispensers**



# Robots to Arenas Traffic Route

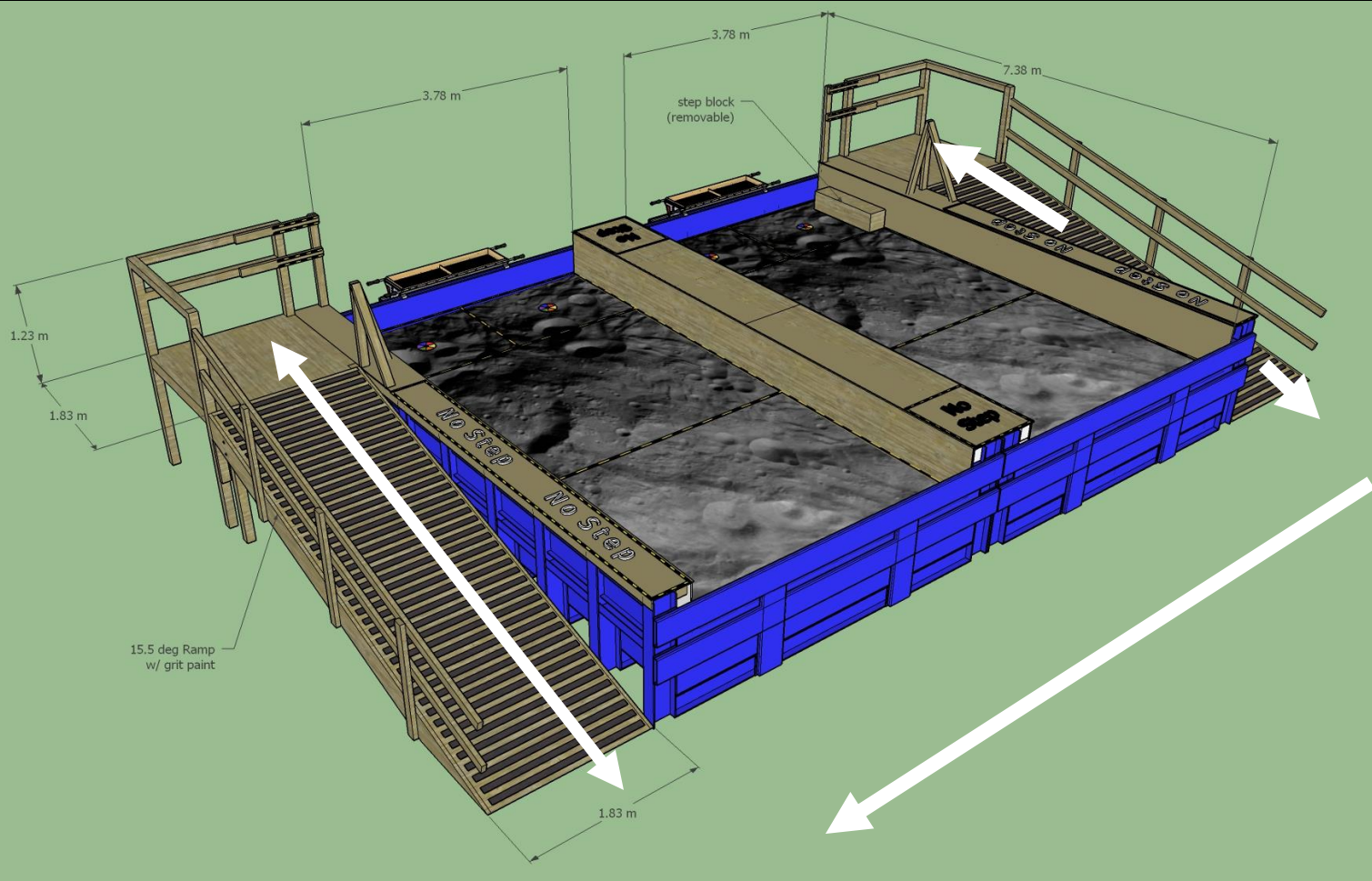




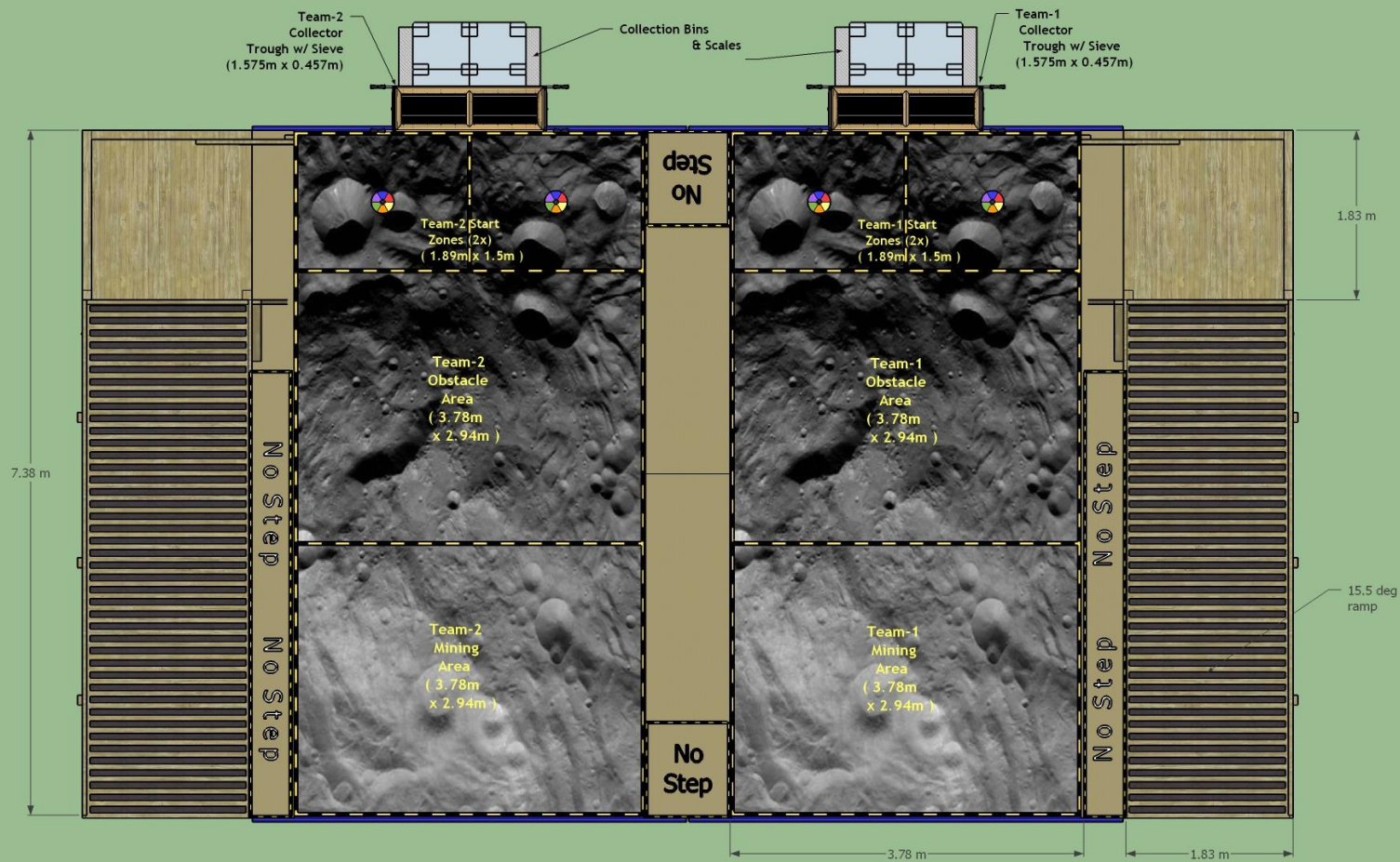
# Caterpillar Competition Arena

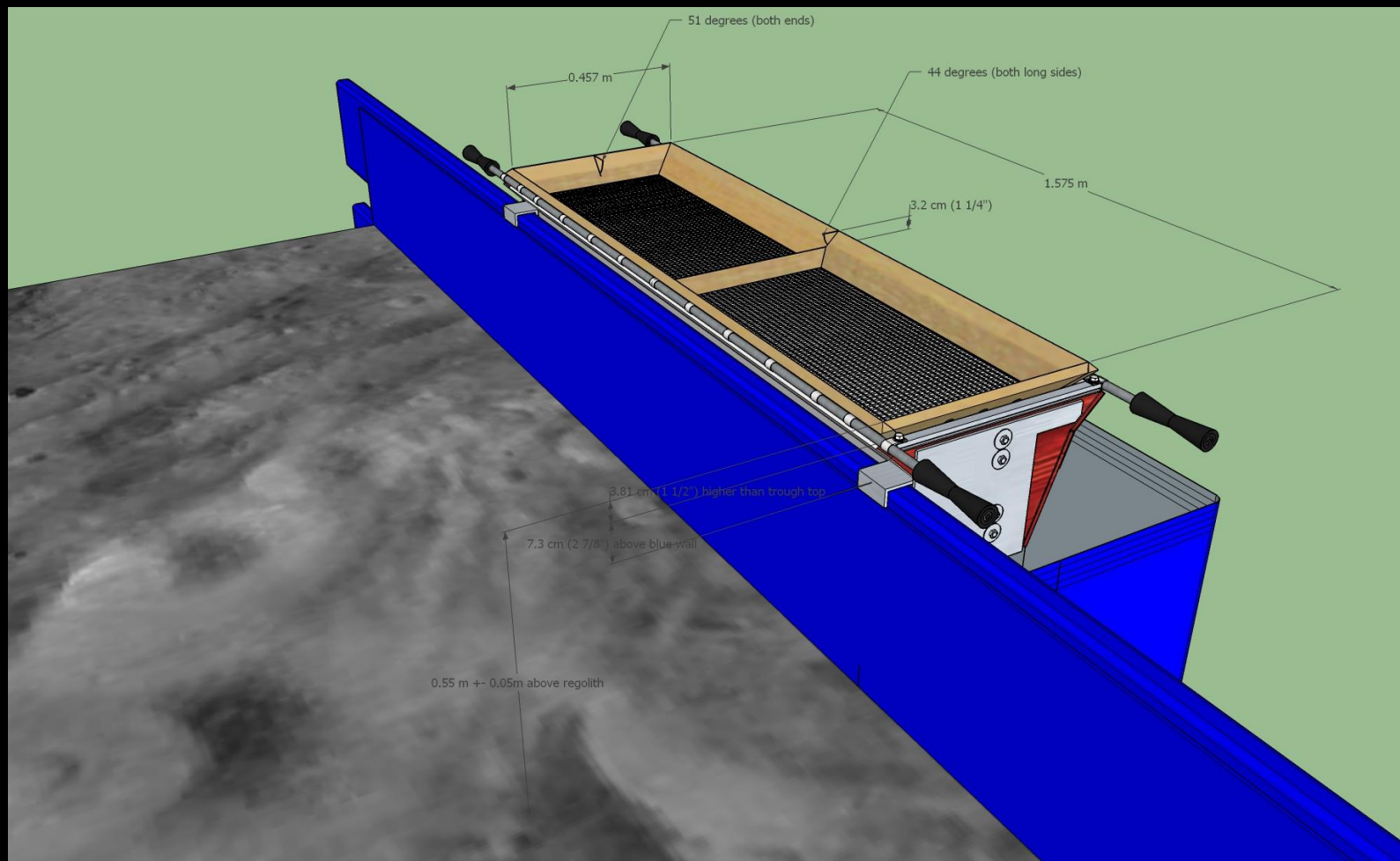












# Robot Communications

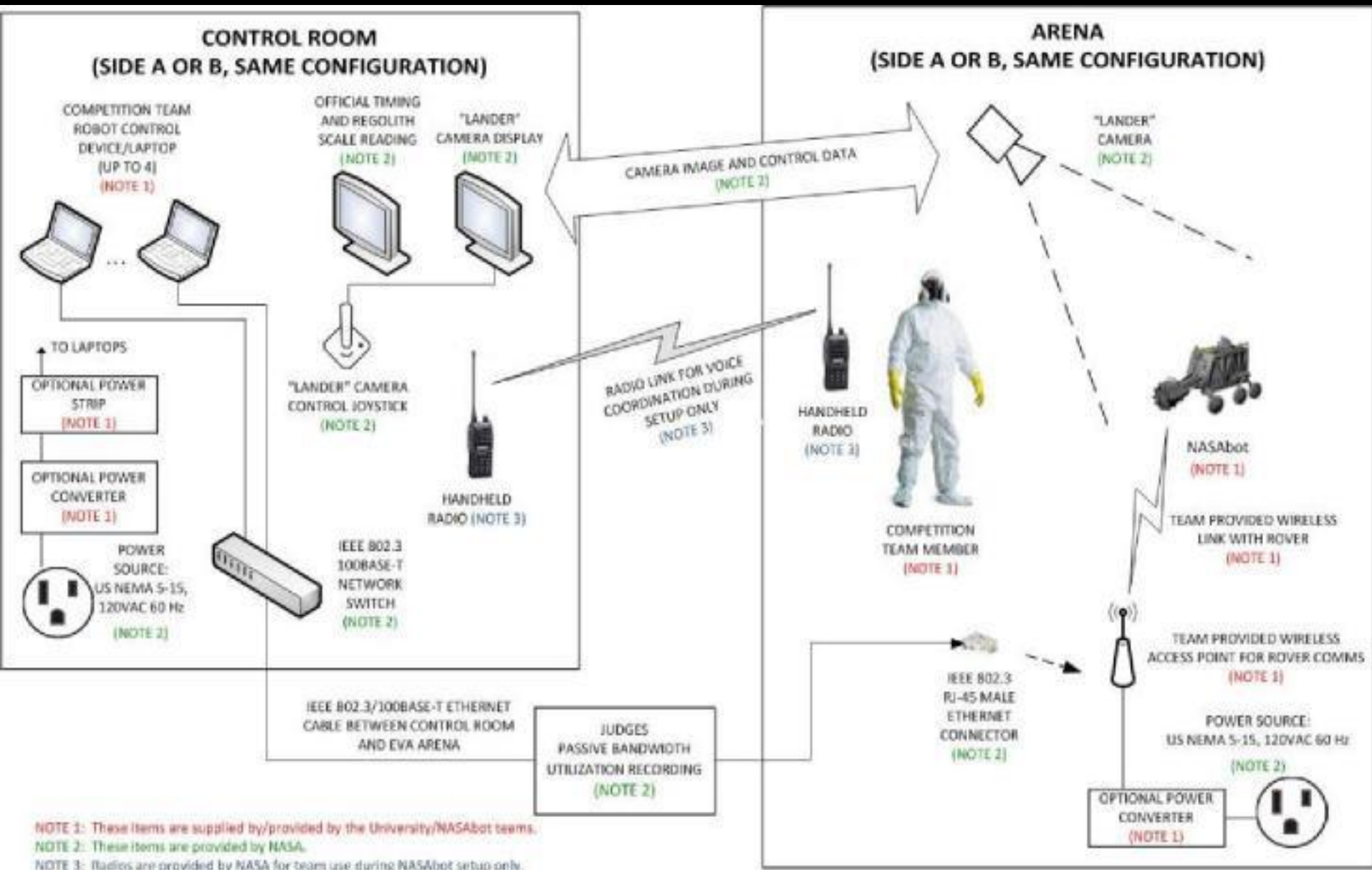
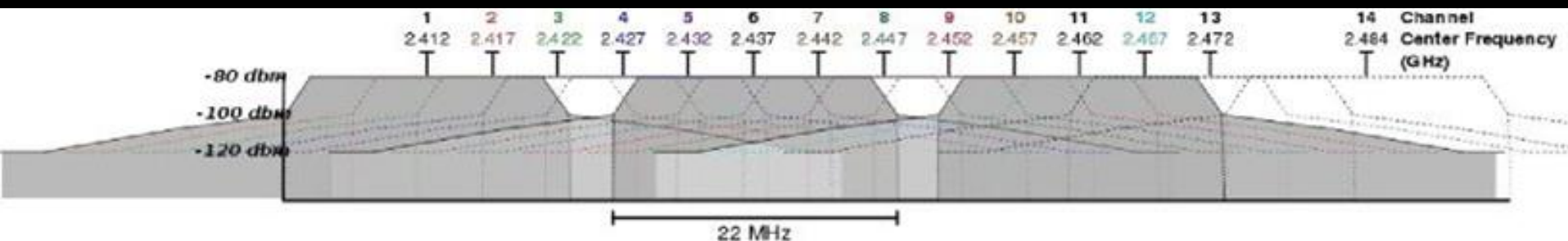


Diagram – NASA Provided Network





## Non-Overlapping Channels for 2.4 GHz WLAN

802.11b (DSSS) channel width 22 MHz



802.11g/n (OFDM) 20 MHz ch. width – 16.25 MHz used by sub-carriers

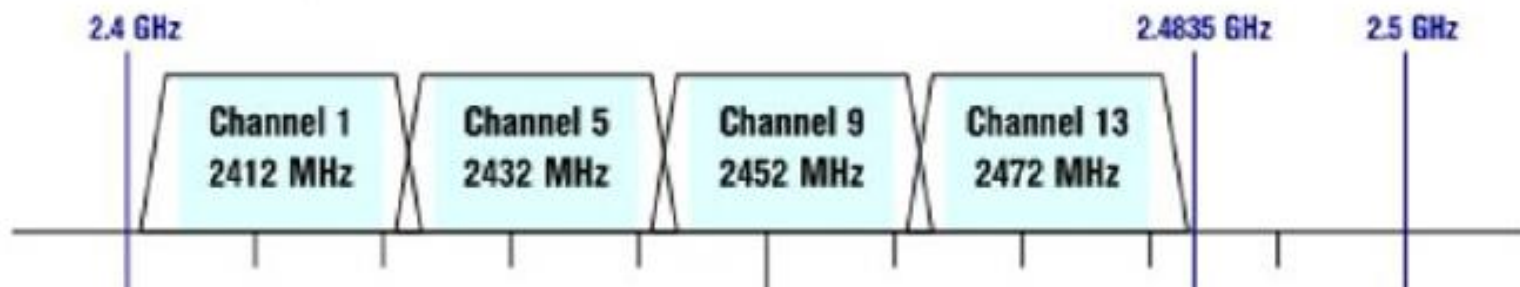


Diagram – 802.11 n Channel

SAFETY



**NOT SAFE**



***RIGHT JOB / RIGHT TOOL ?***

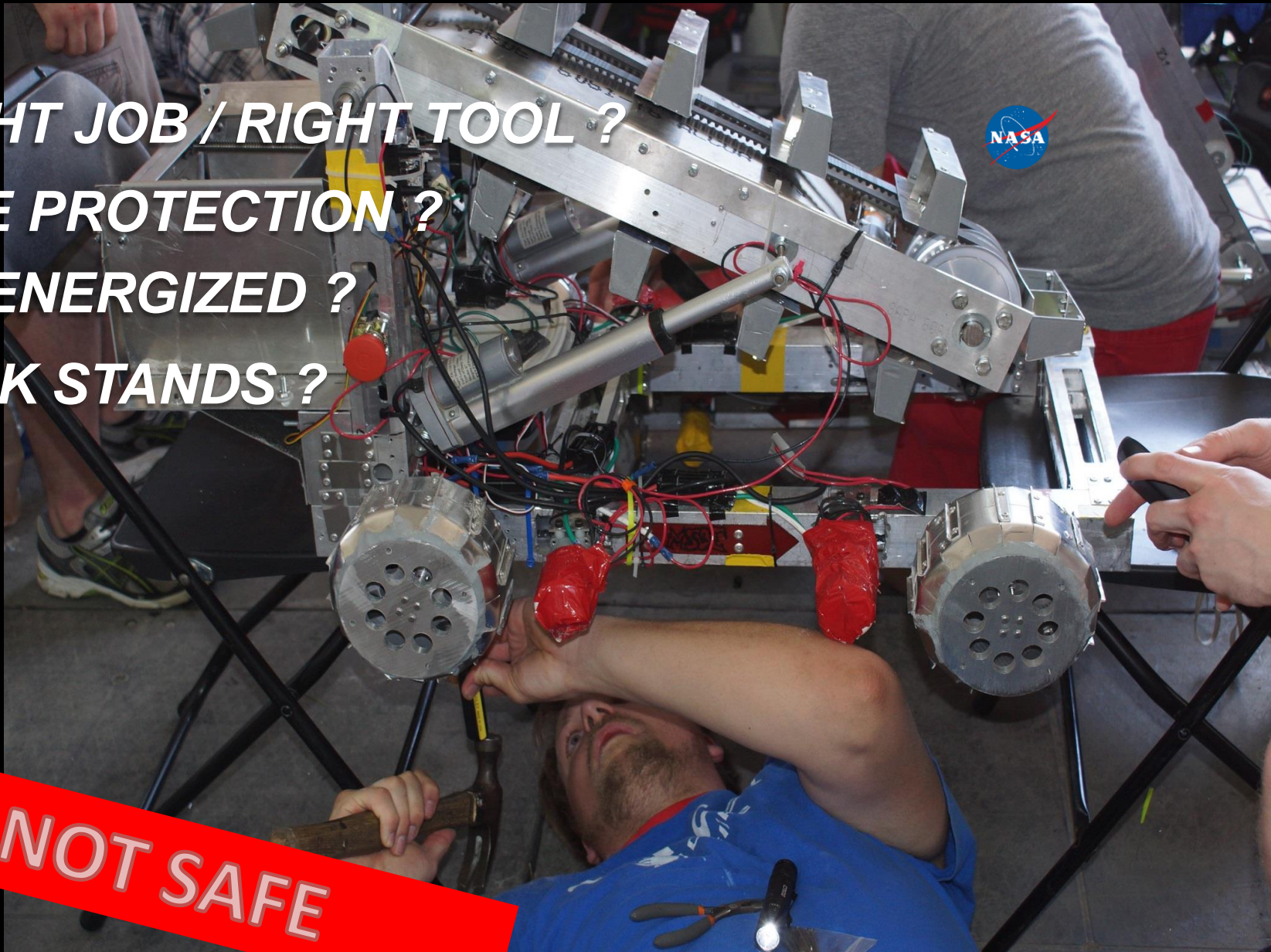
***EYE PROTECTION ?***

***DE-ENERGIZED ?***

***JACK STANDS ?***



***NOT SAFE***





HOUSEKEEPING

# KSC Environmental Requirements

**IAW KNPR 8500.1 Chapter 13**

**RMC will comply with the KSC hazardous and controlled waste program requirements.**

**Here is a tentative plan to support the robotic competition and waste products that might be produced:**

**We will provide accumulation containers, properly marked and labeled, for the following waste streams:**

- ☐ **Spent aerosol cans**
- ☐ **Oily rags**
- ☐ **Used oils**
- ☐ **Spent Batteries**

# KSC Environmental Requirements

IAW KNPR 8500.1 Chapter 13

**We will also provide some tote trays for any other chemical products that are discarded by the robotic teams, and will sort through the products for proper classification and disposal through our Drop Your Chemicals Off Here program.**

**Questions? Contact the RoboPit Chief**



Good for NASA,

Good for America,

Good for All of US.